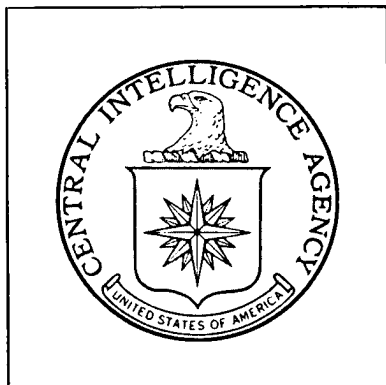


**Top Secret**



**DIRECTORATE OF  
INTELLIGENCE**

**Industrial Facilities  
(Non-Military)**

*Basic Imagery Interpretation Report*

**Aluminum Production Facilities**

**China**

**Top Secret**

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RCS 13/0041/71

DATE MAY 1971

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CENTRAL INTELLIGENCE AGENCY  
Directorate of Intelligence  
Imagery Analysis Service

ABSTRACT

This report, based on March 1970 through February 1971 photography, updates previous basic reporting on five aluminum plants in China.

No construction which would increase the aluminum production capacity was observed at any of the plants. The alumina production facilities were being expanded at the Jung-yang plant, one probable fabrication building was completed and another was under construction at Lan-chou, and two support buildings were constructed at the Tzu-po plant.

The Jung-yang aluminum production facilities were seen operating for the first time in April 1970. On the latest coverage, the aluminum facilities at all five plants and the alumina facilities at Jung-yang and Tzu-po were in operation.

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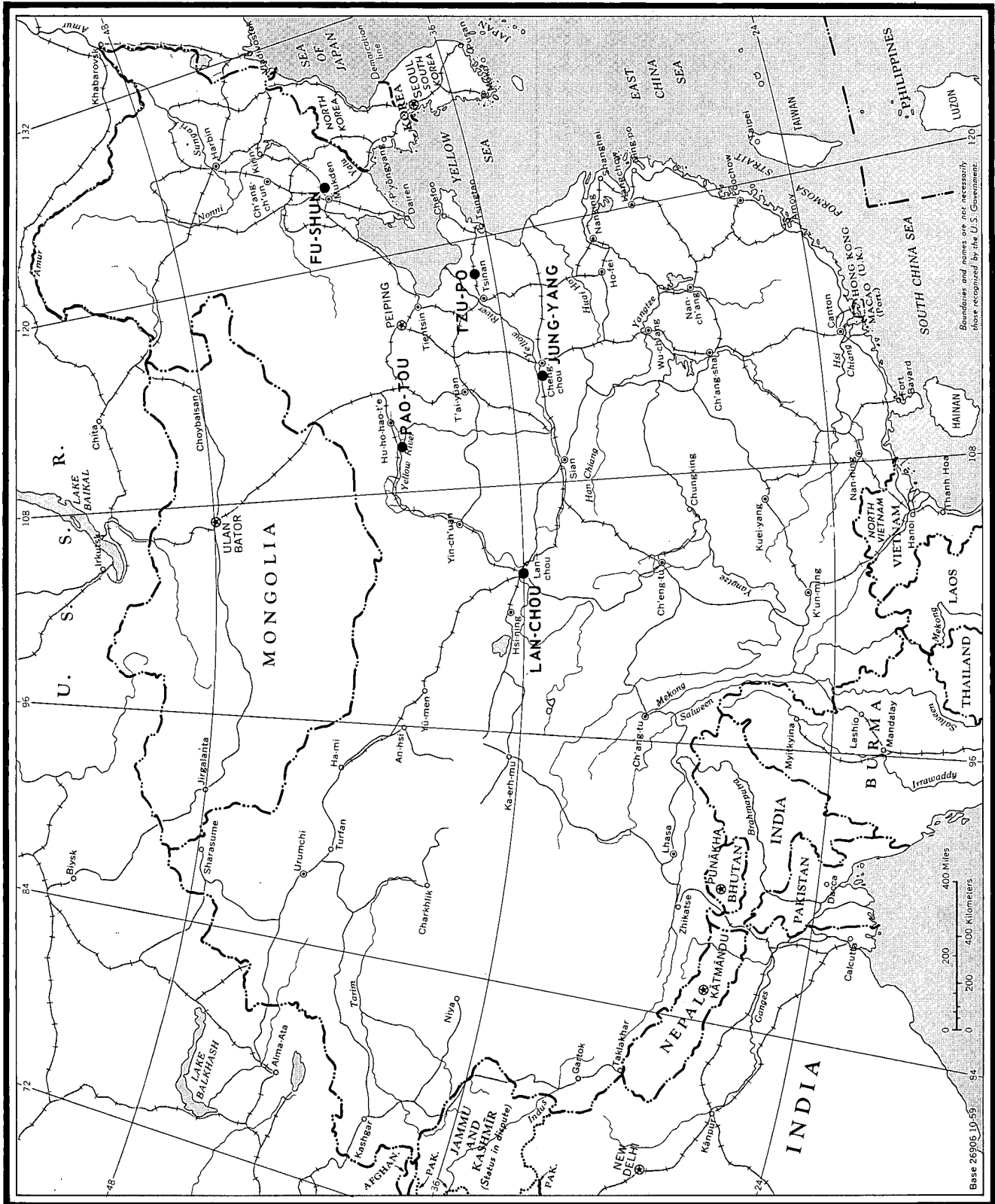


FIGURE 1. LOCATION MAP.

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### INTRODUCTION

This report presents information on the operational status of five aluminum plants in China and describes changes since the previous report. It contains photographs of all five plants.

The following list of plants is keyed to Figure 1.

1. Fu-shun Alumina and Aluminum Plant.
2. Jung-yang Alumina and Aluminum Plant.
3. Lan-chou Aluminum Plant Hsi-ku.
4. Pao-tou Aluminum Plant.
5. Tzu-po Alumina and Aluminum Plant.

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### Requirement

COMIREX NO2  
Support Number 429221

### Document References

CIA. RCS - 13/0030/70, Aluminum Production Facilities, China, March 1970,  
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CIA. RCS - 13/0197/69, Aluminum Production Facilities, China, June 1969,  
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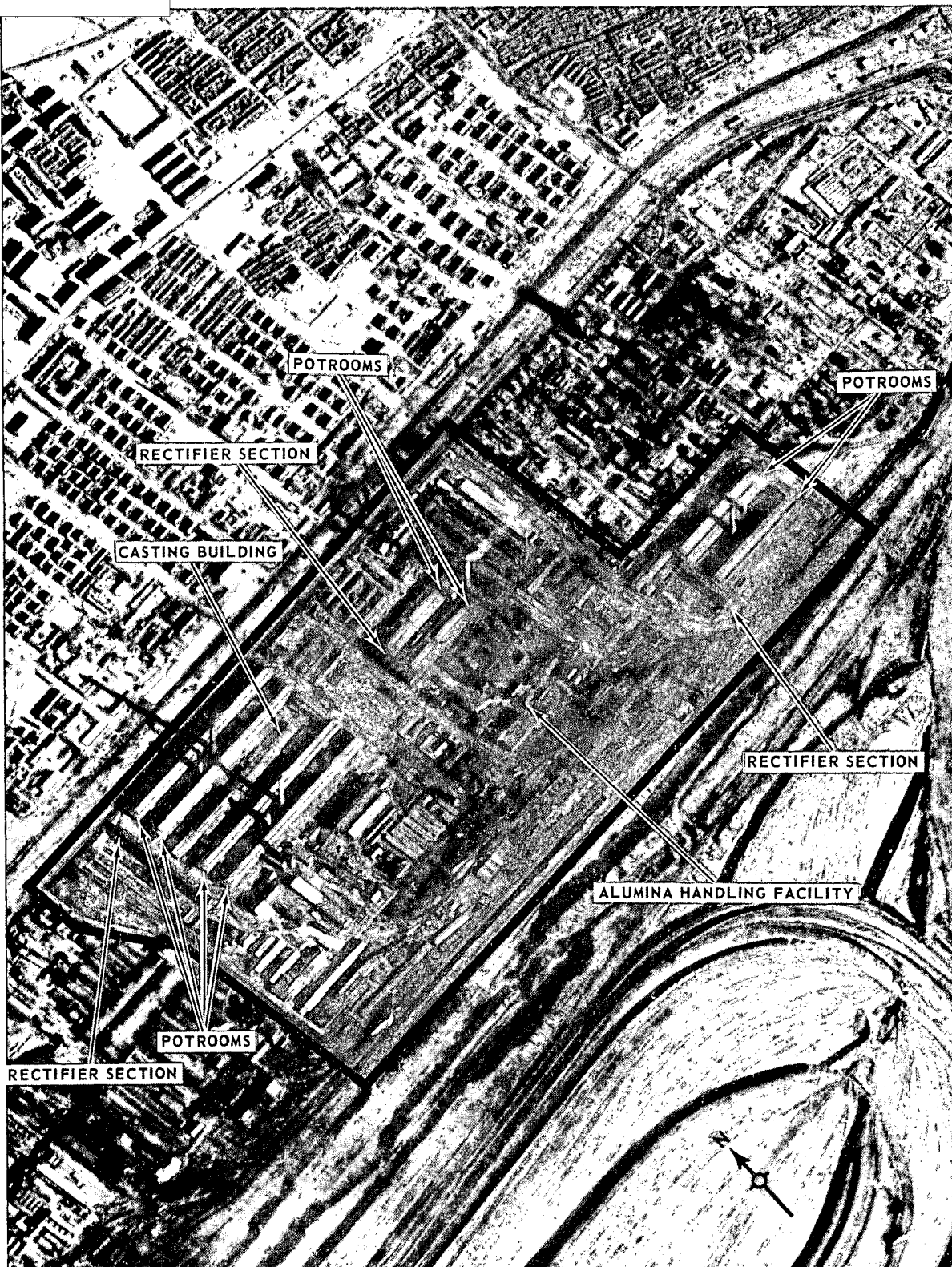


FIGURE 2. FU-SHUN ALUMINA AND ALUMINUM PLANT,

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INSTALLATION OR ACTIVITY NAME

COUNTRY

Fu-shun Alumina and Aluminum Plant

CH

UTM COORDINATES

GEOGRAPHIC COORDINATES

51TWG675315

41-50-14N 123-48-39E

25X1

MAP REFERENCE

USATC, Series 200, Sheet M0290-11HL, 4th ed, Jan 66, Scale 1:200,000

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LATEST IMAGERY USED

NEGATION DATE (If required)

NA

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## BASIC DESCRIPTION

No changes have been observed at the Fu-shun Alumina and Aluminum Plant since December 1969, the date of the latest photography used in the previous report.

In December 1970, the aluminum production facilities were in operation as indicated by fumes coming from all four stacks serving the eight potrooms. On photography of July 1970, the aluminum production facilities were obscured by scattered clouds, but smoke coming from the alumina handling facility indicated that the plant was probably active. On poor-quality photography of March 1970 the operating status of the aluminum production facilities could not be determined.

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INSTALLATION OR ACTIVITY NAME		COUNTRY
Jung-yang Alumina and Aluminum Plant		CH
UTM COORDINATES	GEOGRAPHIC COORDINATES	
49SGJ075556	34-48-52N 113-16-12E	
MAP REFERENCE		

25X1

2nd RTS. USATC, Series 200, Sheet 0385-9 (SECRET)

LATEST IMAGERY USED	NEGATION DATE (If required)
	NA

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## BASIC DESCRIPTION

Aluminum ingots produced at the Jung-yang Alumina and Aluminum Plant have been identified in open storage, indicating the potrooms at the plant are now in operation. No other changes or expansion of the aluminum production facilities have been observed since December 1969, the date of the latest photography used in the previous report.

Photography of April 1970, the first large-scale coverage of the plant, revealed aluminum ingots in open storage between the potrooms and the casting building. Ingots were again identified on large-scale coverage of February 1971, and probable ingots were observed on small-scale coverage of June, July and December 1970. The arrangement of the ingots varied on different missions, indicating that production was underway. No fumes were seen from the stack or the potrooms, but an aluminum plant can operate without emitting visible fumes. The operating status of the aluminum production facilities could not be determined on previous small-scale coverage.

The alumina production facilities were being expanded during the reporting period. It appears that the alumina plant is being brought up to its designed production capacity. The alumina facilities were seen operating on all of the referenced photography.

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INSTALLATION OR ACTIVITY NAME		COUNTRY
Pao-tou Aluminum Plant		CH
UTM COORDINATES	GEOGRAPHIC COORDINATES	25X1
49TDQ260908	40-33-55N 110-07-26E	
MAP REFERENCE		
2nd RTS. USATC, Series 200, Sheet M0288-22HL, 4th ed, Feb 70, Scale 1:200,000 (SECRET)		
LATEST IMAGERY USED		NEGATION DATE (If required)
		NA

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## BASIC DESCRIPTION

No changes have been observed at the Pao-tou Aluminum Plant since October 1969, the date of the latest photography used in the previous report.

The plant was in operation in July, August, and December 1970 when fumes were coming from the stack serving the potrooms. In addition, on large-scale coverage of August 1970 aluminum ingots were seen in open storage. The operating status of the plant could not be determined on small-scale photography of May 1970.

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INSTALLATION OR ACTIVITY NAME		COUNTRY
Tzu-po Alumina and Aluminum Plant		CH
UTM COORDINATES	GEOGRAPHIC COORDINATES	25X1
50SNR940682	36-45-02N 118-03-10E	
MAP REFERENCE		
548th RTS. USATC, Series 200. Sheet M0381-22HL. 4th ed. Jul 68. Scale 1:200,000		
(SECRET) 25X1		
LATEST IMAGERY USED		NEGATION DATE (If required)
		NA 25X1

## BASIC DESCRIPTION

Two support buildings have been constructed in the aluminum production area at the Tzu-po Alumina and Aluminum Plant since December 1969, the date of the latest photography used in the previous report.

The aluminum production facilities were operating in October and December 1970 when fumes were seen coming from the stack serving the potrooms. In addition, aluminum ingots were seen in open storage on large-scale photography of October 1970. The operating status of the aluminum facilities could not be determined on poor-quality photography of May and November 1970. The alumina facilities were in operation on all of the referenced photography as indicated by fumes coming from many sections of these facilities.

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